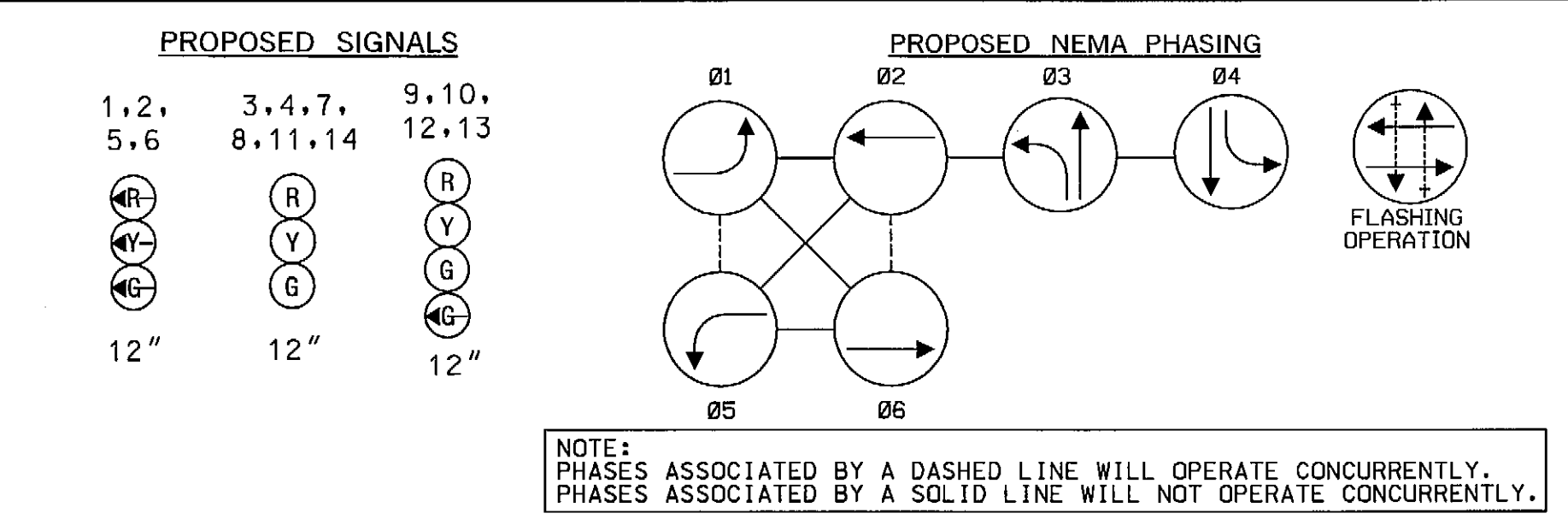
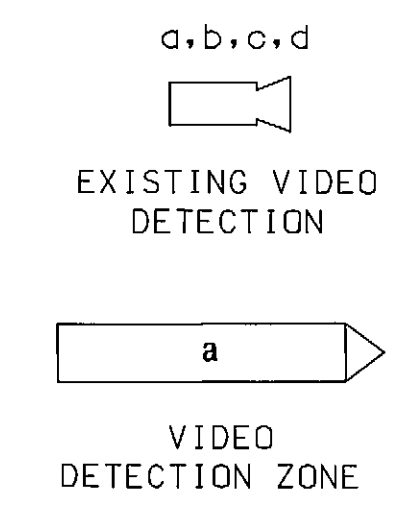
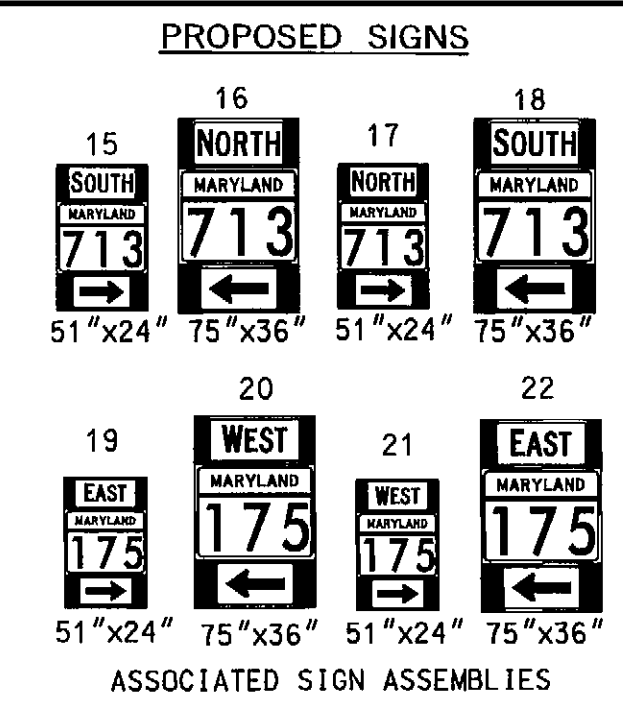


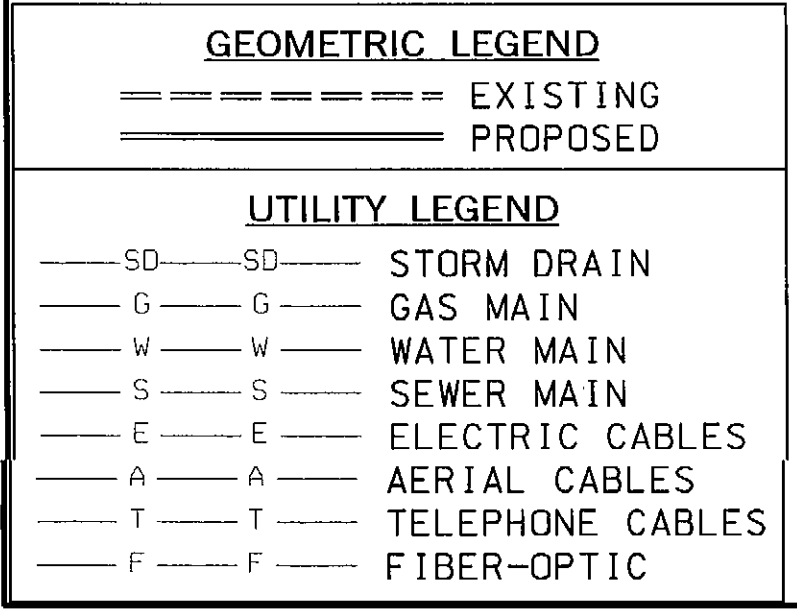
MD 175 (ANNAPOLIS ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

- MOT PHASE 3 NOTES**
1. PHASE 3 CONSTRUCTION WILL ENTAIL THE INSTALLATION OF MAST ARMS, SIGNAL HEADS, VIDEO DETECTION CAMERAS AND ROUTE ASSEMBLY SIGNS. ALL INSTALLED EQUIPMENT SHALL BE WIRED TO THE NEW CONTROLLER FOR OPERATION IN MOT PHASE 3. SIGNAL AND SIGNS SHALL BE BAGGED UNTIL ALL SIGNAL EQUIPMENT FOR THIS PHASE HAS BEEN INSTALLED.
 2. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO ALIGN VIDEO DETECTION CAMERAS TO THE APPROPRIATE DETECTION ZONES.



- CONSTRUCTION DETAILS**
- A. CONNECT NEW SIGNAL WIRING TO NEW CABINET AFTER ALL THE TRAFFIC SIGNAL EQUIPMENT FOR THIS PHASE HAS BEEN INSTALLED.
 - B. INSTALL METERED SERVICE PEDESTAL WITH 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED TO THE BASE OF UTILITY POLE (NO. BGE #561666) PROVIDE 1" STUB AND PULL STRING FOR INSTALLATION OF SERVICE AND CONDUIT BENDS.
 - C. PROPOSED UNDERGROUND SERVICE FOR POWER AND COMMUNICATION. STUB UP 1" OF 2" CONDUITS WITH PULL STRING AT BASE OF UTILITY POLE.
 - D. INSTALL LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS ON 50' MAST ARM. ALIGN PROPOSED SIGNAL HEADS WITH NEW LANE LINES FOR THIS PHASE. EACH PROPOSED SIGNAL HEAD SHALL HAVE AN ADDITIONAL 25' OF WIRING FOR SIGNAL HEAD SHIFTS DURING THE SUBSEQUENT PHASES.
 - E. INSTALL LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS ON 60' MAST ARM. ALIGN PROPOSED SIGNAL HEADS WITH NEW LANE LINES FOR THIS PHASE. EACH PROPOSED SIGNAL HEAD SHALL HAVE AN ADDITIONAL 25' OF WIRING FOR SIGNAL HEAD SHIFTS DURING THE SUBSEQUENT PHASES.
 - F. INSTALL LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS ON 70' MAST ARM ALIGN PROPOSED SIGNAL HEADS WITH NEW LANE LINES FOR THIS PHASE. EACH PROPOSED SIGNAL HEAD SHALL HAVE AN ADDITIONAL 25' OF WIRING FOR SIGNAL HEAD SHIFTS DURING THE SUBSEQUENT PHASES.
 - G. INSTALL ELECTRICAL HANDHOLE.
 - H. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
 - J. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
 - K. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
 - L. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
 - M. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
 - N. REMOVE EXISTING EQUIPMENT AFTER ALL PROPOSED EQUIPMENT IS INSTALLED.
 - O. INSTALL ELECTRICAL HANDHOLE (TO BE USED FOR MICROLOOP PROBES IN PHASE 5).
 - P. REMOVE EXISTING CABINET.
 - R. TEMPORARY PAVEMENT MARKING (SEE TRAFFIC CONTROL PLAN).

- GENERAL NOTES**
1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
 2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
 3. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF SIDEWALKS AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF DETECTABLE WARNING SURFACES.
 4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING UNUSED CABLES FROM EXISTING HANDHOLES AND CONDUITS UTILIZED FOR REVISION 'D'.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND FOR PROPERLY LABELING EACH CABLE.
 6. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 7. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.



PHASE 3

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 175 (ANNAPOLIS ROAD) AT
MD 713 (ROCKENBACH ROAD/RIDGE ROAD)
HANOVER, MD

MOT PHASE 3 - TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 9/17/97 CONTRACT NO. AA 175-501-585

DESIGNED BY D. ZAFIRIS COUNTY ANNE ARUNDEL
DRAWN BY A. BUDNICHUH LOGMILE 02017507.31
CHECKED BY TIMS NO. G533
F.A.P. NO. TOD NO.

TS NO. 1295D DRAWING SG -- 11.3 OF 26 SHEET NO. 131 OF 195

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
REVISION 'D' 23299.36

APPROVALS

TEAM LEADER
ASST. DIR. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

0. BRAC RECONSTRUCT TRAFFIC SIGNAL
SHA# AAS806370 10/2010
TIMS # 1-386
ENB W/S HUB RDB MZ PMW
D 8/2004 - REPLACE ALL SIGNAL HEADS
W/ BLACK FACED ADD NEARSIDE SIGNAL HEADS
SHA# A75825185
WM DAZ MAR BRK
B 9/1989 - REPLACE DETECTION ON
S/B MD 713 DUE TO WIDENING
WM MAR DAZ BRK JH